

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES 1	
2. AMENDMENT/MODIFICATION NO. 0004		3. EFFECTIVE DATE 9/8/04		4. REQUISITION/PURCHASE REQ. NO. W25PHS-4166-9938		5. PROJECT NO. (If applicable)	
6. ISSUED BY US Army Engineer District, Philadelphia Wanamaker Building, 100 Penn Square East Philadelphia, Pennsylvania 19107-3390		CODE		7. ADMINISTERED BY (If other than Item 6) Attn: Michelle Bertoline, 215-656-6914		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(✓)		9A. AMENDMENT OF SOLICITATION NO. W912BU-04-B-0024	
				X		9B. DATED (SEE ITEM 11) 11 August 2004	
						10A. MODIFICATION OF CONTRACTS/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

Beachfill, Brigantine Inlet to Great Egg Harbor Inlet, Brigantine Island, New Jersey

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(✓)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

THIS AMENDMENT DOES NOT EXTEND THE BID OPENING DATE OF 10 SEPTEMBER 2004 AT 11:00 A.M.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED

14. DESCRIPTION OF AMENDMENT (continued)

a. TECHNICAL SPECIFICATIONS:

(1) Section 02500 - VEHICULAR CROSSOVERS, HANDICAP RAMP CROSSOVERS AND PEDESTRIAN MODULAR WALKWAYS - Please delete the last sentence in Paragraph 3.5.1 and 3.5.2 which reads "Included is the cost of the associated sand fence." Please change the last sentence of Paragraph 3.5.3 from "Included is the cost of the associated sand fence and existing sand fence and posts where required to install the handicap ramp crossovers." to "Included is the removal of any existing sand fence and posts where required to install the handicap ramp crossovers."

(2) Section 02446 - SAND FENCE AND DUNE GRASS: Please delete this section in its entirety and substitute the new section of the same number, annotated Amendment No. 0004, attached hereto.

b. Please indicate receipt of this amendment on Standard Form 1442 (SOLICITATION, OFFER, AND AWARD) as Amendment No. 0004. Failure to acknowledge all amendments may be cause for rejection of the bid.

SECTION 02446

SAND FENCE AND DUNE GRASS

PART 1 GENERAL

1.1 SCOPE OF SECTION

The work covered by this section consists of furnishing all labor, materials, and equipment, and performing all operations required for the erection of sand fence and the planting and seeding of dune grass, as specified herein and shown on the drawings.

1.2 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

ASTM INTERNATIONAL (ASTM)

ASTM A 641 (2003) Standard Specification for
Zinc-Coated (Galvanized) Carbon Steel Wire

ASTM F 1667 (2003) Driven Fasteners: Nails, Spikes,
and Staples

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-07 Certificates

Sand Fence. Dune Grass Plants and Seed.

Statement signed by an official authorized to certify on behalf of the manufacturer of a product, system or material, attesting that the product, system or material meets specified requirements. The statement must be dated after the award of the contract, must state the Contractor's name and address, must name the project and location, and must list the specific requirements which are being certified.

PART 2 PRODUCTS

2.1 SAND FENCE

2.1.1 Fence

The slats shall be No. 1 grade of White Cedar, Spruce, Douglas Fir or other approved species of wood substantially free from excessive wane, knots,

decay, broken or short slats and unsquare ends. The slats shall be a full 3/8" thick by a full 1-1/2" wide by 4' high and unpainted. The wire shall be not less than 14 gauge with a zinc coating of not less than 0.3 oz./square foot of uncoated wire surface and it shall have a tensile strength of 65,000 to 80,000 psi. The slats shall be spaced 2 1/4" a part plus or minus 1/4". There shall not be less than 2 twists (one twist equals 360 degrees) of the wire between the slats. The five strands of wire shall be placed 10" apart and 4" from each end. The wire shall be woven in such a manner that the zinc coating shall not be removed nor the strength of the steel impaired. The fence shall be stretched after weaving and before being placed in rolls 50' in length.

2.1.2 Fastenings

Staples shall conform to ASTM F 1667, Type IV, Style 3 having a minimum length of 1-1/2 inches and zinc-coated conforming to ASTM A 641, Class 3 coating.

2.2 DUNE GRASS

2.2.1 Plants

Plants shall be the Cape variety of American Beachgrass (*Ammophila breviligulata*). Each plant shall consist of two or more healthy culms. Plants which are damaged will not be accepted.

2.2.2 Seed

Seed shall be the Atlantic variety of coastal panicgrass (*Panicum amarum*).

2.2.3 Fertilizer

Fertilizer shall be 10-10-10 grade. Fertilizer shall be uniform in composition, free-flowing, and suitable for application with approved equipment.

PART 3 EXECUTION

3.1 SAND FENCE

The sand fence shall be erected in such a manner as to accumulate wind blown sand and thereby aid in the formation of a dune. Fence shall be erected in the locations and along the lines shown on the drawings. Posts shall be provided at a maximum spacing of 10 feet and shall be driven 4 feet into the ground. Fence shall be secured to posts with bottom portion of fence touching the ground surface. Fence shall be stapled to posts at the same locations as the picket bindings.

3.2 DUNE GRASS

3.2.1 General

Dunes, both constructed and reconstructed, shall be fertilized, planted, and seeded with beachgrass and panicgrass after construction of the dune has been completed.

3.2.2 Surface Preparation

All surfaces to be planted shall be graded with no sharp depressions greater than 2 inches in depth. All compacted areas shall be scarified to a depth of 3 inches prior to planting.

3.2.3 Planting Method

3.2.3.1 Beachgrass

One beachgrass plant shall be planted per hole. The plants shall be spaced 18 inches apart within a row and rows shall be spaced 18 inches apart. The ends of rows shall be staggered 9 inches. The dune grass shall be planted in 8-9" deep holes. Fertilizer shall be applied at 400 pounds per acre, 30 days after planting, but no earlier than April 1.

3.2.3.2 Panicgrass

The dunes shall subsequently be over seeded into the stands of American beachgrass with panicgrass from the centerline of the dune to the landside dune toe. The panicgrass shall be seeded at a rate of 8 - 12 pounds of seed per acre. Seeds shall be planted 1.5 to 2 inches deep either by hand or by a mechanically operated drill or seeder.

3.2.4 Planting Season

Beachgrass shall only be planted between 15 October and 1 April, under nonfrozen soil conditions. Panicgrass seeds shall only be planted between 1 November and 15 April.

3.2.5 Care and Protection

The Contractor shall be responsible for proper care and protection of all planted areas. At least 80% plant survival is required in areas at the end of the first growing season. Areas having less than an 80% survival rate shall be replanted and fertilized by the Contractor.

3.3 MEASUREMENT AND PAYMENT

3.3.1 Dune Grass

The unit of measurement for the placement of the dune grass will be the actual square feet of dune grass placed in accordance with this Section and the Contract Drawings and accepted by the Contracting Officer. Following placement of the dune grass, a survey shall be taken by a Delaware licensed surveyor to determine the actual square feet of dune grass placed. Costs associated with this survey shall be the responsibility of the Contractor. Measurement of dune grass area shall be to the nearest square yard. Payment for the placement of dune grass will be made at the Contract Unit Price for Base Bid Item No. 7 and Option 5 Bid Item No. 19 (if Option 5 is awarded), "Dune Grass," which shall constitute full compensation to the Contractor for all costs associated with the placement and surveying of the dune grass.

3.3.2 Sand Fence

The work specified in this section for sand fence will be measured for payment by the linear footage of sand fence installed. Payment for this work will be made at the contract unit price for "Sand Fence," Base Bid

Item No. 8 and Option 5 Bid Item No. 20 (if Option 5 is awarded).

-- End of Section --